

## EAST Search History

| Ref # | Hits | Search Query                       | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|------------------------------------|---|------------------|---------|------------------|
| L1    | 21   | (motoki near2 numata).inv.         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/07/31 15:42 |
| L2    | 8    | 1 and (centrifuge or centrifugal)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/07/31 15:43 |
| L3    | 52   | (takayuki near2 isogai).inv.       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/07/31 15:43 |
| L4    | 14   | 3 and (centrifuge or centrifugal)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/07/31 15:43 |
| L5    | 34   | (katsunori near2 fukuda).inv.      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/07/31 15:43 |
| L6    | 6    | 5 and (centrifuge or centrifugal)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/07/31 15:44 |
| S1    | 701  | (koji near2 fujimoto).inv.         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/07/31 15:40 |
| S2    | 10   | S1 and (centrifuge or centrifugal) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/07/31 10:53 |
| S3    | 32   | (atsushi near2 onodera).inv.       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/07/31 10:50 |

## EAST Search History

|     |        |  |   |    |    |                  |
|-----|--------|--|---|----|----|------------------|
| S4  | 6      | S3 and (centrifuge or centrifugal)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/31 10:51 |
| S5  | 35     | (jun near2 ohashi).inv.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/31 10:50 |
| S6  | 7      | S5 and (centrifuge or centrifugal)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/31 10:51 |
| S7  | 370843 | (centrifuge or centrifugal)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/31 10:53 |
| S8  | 7171   | S7 and ((screw or auger or helix or helical) near10 (convey\$4 or transport\$3))                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/31 11:11 |
| S9  | 860    | S8 and (rotat\$4 or rotary) near7 (screen or strainer or filter or filtration or mesh\$2)            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/31 11:10 |
| S10 | 125    | S9 and (jet or nozzle) near10 (clean\$3 or back\$1wash\$3 or back\$1flush\$3 or wash\$3 or flush\$3) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/31 11:11 |
| S11 | 1      | (prince.xa. and dubno)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/31 11:09 |
| S12 | 151615 | (rotat\$4 or rotary) near7 (screen or strainer or filter or filtration or mesh\$2)                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/31 11:10 |
| S13 | 3704   | S12 and ((screw or auger or helix or helical) near10 (convey\$4 or transport\$3))                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/07/31 11:11 |

## EAST Search History

|     |      |   |   |    |     |                  |
|-----|------|---|---|----|-----|------------------|
| S14 | 292  | S13 and (jet or nozzle) near10<br>(clean\$3 or back\$1wash\$3 or<br>back\$1flush\$3 or wash\$3 or flush\$3) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/07/31 11:12 |
| S15 | 167  | S14 not S10   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/07/31 11:12 |
| S16 | 40   | S15 and (jet or nozzle or orifice or<br>opening) near7 (auger or screw or<br>conveyer or helix or helical)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/07/31 12:16 |
| S17 | 7    | (("1940585") or ("4363264") or<br>("4617177") or ("4873095") or<br>("5160441") or ("5338451")).PN.          | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/07/31 12:19 |
| S18 | 0    | "5904858".uref.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON  | 2006/07/31 12:20 |
| S19 | 5    | (("5904858") or ("5338451") or<br>("5632907") or ("1940585")).PN.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/07/31 12:29 |
| S20 | 2052 | (tsukishima adj kikai)  | EPO; JPO;<br>DERWENT                                  | OR | ON  | 2006/07/31 12:29 |
| S21 | 80   | S20 and "1998".py.  | EPO; JPO;<br>DERWENT                                  | OR | ON  | 2006/07/31 12:31 |
| S22 | 4    | "10028899"  | EPO; JPO;<br>DERWENT                                  | OR | ON  | 2006/07/31 12:33 |
| S23 | 1    | ("6478163").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/07/31 13:25 |

## EAST Search History

| Ref # | Hits | Search Query   | DBs      | Default Operator | Plurals | Time Stamp       |
|-------|------|--|----------|------------------|---------|------------------|
| L9    | 465  | 8 and (conveyor or screw or auger or helix or helical).clm.      | US-PGPUB | OR               | ON      | 2006/07/31 13:31 |
| L10   | 130  | 9 and (screen or filter or strainer or filtration or mesh).clm.  | US-PGPUB | OR               | ON      | 2006/07/31 13:31 |
| L11   | 25   | 10 and (nozzle or jet).clm.                                      | US-PGPUB | OR               | ON      | 2006/07/31 13:31 |
| L12   | 334  | 8 and (convey\$4).clm.   | US-PGPUB | OR               | ON      | 2006/07/31 13:31 |
| L13   | 106  | 12 and (screen or filter or strainer or filtration or mesh).clm. | US-PGPUB | OR               | ON      | 2006/07/31 13:31 |
| L14   | 21   | 13 and (nozzle or jet).clm.                                      | US-PGPUB | OR               | ON      | 2006/07/31 13:31 |
| L15   | 4    | 14 not 11  | US-PGPUB | OR               | ON      | 2006/07/31 13:31 |